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NOTICE OF ALLOWANCE AND FEE(S) DUE

29540

7590

03/09/2004

PITNEY, HARDIN, KIPP & SZUCH LLP 685 THIRD AVENUE NEW YORK, NY 10017-4024 EXAMINER

DAHBOUR, FADI H

ART UNIT PAPER NUMBER

3743

DATE MAILED: 03/09/2004

CONFIRMATION NO.

APPLICATION NO. 09/889,843

07/22/2002

FILING DATE

FIRST NAMED INVENTOR

James Surjan

ATTORNEY DOCKET NO.
3029-72US

3125

TITLE OF INVENTION: SELF REGULATING FLEXIBLE HEATER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	06/09/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

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CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

29540

7590

03/09/2004

PITNEY, HARDIN, KIPP & SZUCH LLP **685 THIRD AVENUE** NEW YORK, NY 10017-4024

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name) (Signature) (Date)

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/889,843 07/22/2002 James Surjan 3029-72US 3125

TITLE OF INVENTION: SELF REGULATING FLEXIBLE HEATER

APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330)	\$0	\$1330	06/09/2004
EXAN	MINER	ART UN	IT	CLASS-SUBCLASS		
DAHBOU	IR, FADI H	3743		219-549000		
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			names of agents Of firm (havagent) ar	inting on the patent front page f up to 3 registered patent a R, alternatively, (2) the name ving as a member a registered at the names of up to 2 regis or agents. If no name is listerinted.	attorneys or 1 of a single attorney or 2 tered patent	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

(1)	(2) NEGLECT (CIT 1 and STATE ON COUNTRY)			
Please check the appropriate assignee category or c	ategories (will not be printed on the patent);	u individual	corporation or other private group entity	🔲 governmen
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
☐ Issue Fee	☐ A check in the ame	ount of the fee(s)	is enclosed.	
☐ Publication Fee	Payment by credit	card. Form PTO-	2038 is attached.	
☐ Advance Order - # of Copies	☐ The Director is he Deposit Account Nur	☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, Deposit Account Number (enclose an extra copy of this form).		
Director for Patents is requested to apply the Issue	Fee and Publication Fee (if any) or to re-apply	any previously p	paid issue fee to the application identified abo	ove.
(Authorized Signature)	(Date)			
NOTE: The Issue Fee and Publication Fee (if rother than the applicant; a registered attorney interest as shown by the records of the United Sta	equired) will not be accepted from anyone or agent; or the assignee or other party in tes Patent and Trademark Office.			
This collection of information is required by 37 obtain or retain a benefit by the public which is application. Confidentiality is governed by 35 U.5 estimated to take 12 minutes to complete, includ completed application form to the USPTO. Tim case. Any comments on the amount of time suggestions for reducing this burden, should be Patent and Trademark Office, U.S. Departm 22313-1450. DO NOT SEND FEES OR CONSEND TO: Commissioner for Patents, Alexandria	ing gathering, preparing, and submitting the ewill vary depending upon the individual you require to complete this form and/or sent to the Chief Information Officer, U.S. ent of Commerce, Alexandria, Virginia IPLETED FORMS TO THIS ADDRESS.			
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09/889,843	07/22/2002	James Surjan	3029-72US 3125		
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NEW YORK, NY			ART UNIT	PAPER NUMBER	
,			3743		
			DATE MAILED: 03/09/2004	4	

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			A / C
	Application No.	Applicant(s)	V
	09/889,843	SURJAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Fadi H. Dahbour	3743	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED 5) or other appropriate comr RIGHTS. This application is	in this application. If not included nunication will be mailed in due c	d ourse. THIS
1. This communication is responsive to <u>amendment after fil</u>	nal, filed on 02/23/2004.		
2. 🔀 The allowed claim(s) is/are <u>1-25</u> .			
3. The drawings filed on are accepted by the Examir	ner.		
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	ve been received. ve been received in Applicat	tion No	on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requ	uirements
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g			OTICE OF
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") m (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No./Mail Date 11. (b) ☐ including changes required by the attached Examined Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 7. ☐ DEPOSIT OF and/or INFORMATION about the department of the	erson's Patent Drawing Review's Amendment / Comment 1.84(c)) should be written on the header according to 37 (bosit of BIOLOGICAL MA	or in the Office action of the drawings in the front (not the l CFR 1.121(d). TERIAL must be submitted. No	·
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SE Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material) 6. ☐ Interview Paper No 3/08), 7. ☐ Examiner	Informal Patent Application (PTO Summary (PTO-413), b./Mail Date 's Amendment/Comment 's Statement of Reasons for Allov Fadi H. Dahbour Examiner Art Unit 3743	,

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3.

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DETAILED ACTION

Allowable Subject Matter

- 1. The Examiner acknowledges Applicant's submission of the amendment after final, filed on 02/23/2004.
- 2. The allowed claims are 1-25.
- The prior art of record does not teach or fairly suggest the recitations of the specific features of the self-regulating flexible heater, of claims 21, 23 and 24,

The following is an examiner's statement of reasons for allowance:

including especially the following:

The primary reason for the allowance of independent claim 24 is the inclusion of the specific features of the fabric construction having a bulk density of about 0.6 g/cm³ or greater, and a thermal diffusivity of about 0.003 cm²/s or greater, claimed in combination with the flexible fabric substrate, the layer of positive temperature coefficient material, and the layer of conductive material.

The primary reason for the allowance of independent claim 23 is the inclusion of the specific features of the multiple buss design providing high and low current settings, and having a common setting buss, a low setting buss and a high setting buss, in which current flows from either the common setting buss to high setting buss or from the common setting buss to low setting buss, claimed in combination with the flexible fabric substrate, the layer of positive temperature coefficient material, and the layer of conductive material.

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The primary reason for the allowance of independent claim 21 is the inclusion of the specific features of the overlayer of a laminated or sewn secondary breathable woven or non-woven fabric, being an encapsulating coating applied over the heater, claimed in combination with the flexible fabric substrate, the layer of positive temperature coefficient material, and the layer of conductive material.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fadi H. Dahbour whose telephone number is 703-306-5479. The examiner can normally be reached on M-F, 9am-5:30pm est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry A. Bennett, can be reached on (703) 308-0101. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Fadi H. Dahbour Examiner Art Unit 3743